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Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/771,553
Filing Date	02/04/2004
First Named Inventor	James E. Moon
Art Unit	1724
Examiner Name	
Attorney Docket Number	48900-01018

Sheet 1 of 7

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
JP	1	US	2001-0001474	12-21-2000	Davis, et al.	
	2	US	2001-0001460	12-21-2000	Davis, et al.	
	3	US	2001-0001456	12-21-2000	Davis, et al.	
	4	US	2001-0001455	12-21-2000	Davis, et al.	
	5	US	2001-0001452	12-21-2000	Davis, et al.	
	6	US	3,150,442	09-1964	Straw, et al.	
	7	US	3,538,744	10-11-1976	Karasek	
	8	US	3,586,933	06-1971	Bonini, Joseph N.	
	9	US	3,611,071	10-1971	Agusta, Benjamin	
	10	US	3,663,194	05-1972	Greenstein, et al.	
	11	US	3,669,881	06-13-1972	Cremer, et al.	
	12	US	3,725,186	04-1973	Lynch, John F.	
	13	US	3,738,759	06-12-1973	Dittrich, et al.	
	14	US	3,770,405	11-1973	DeAngelis, et al.	
	15	US-	3,915,652	10-28-1975	Natelson	
	16	US	3,921,916	11-1975	Bassous	
	17	US	3,940,301	02-1976	Straw, et al.	
	18	US	4,007,464	02-1977	Bassous, et al.	
	19	US	4,056,324	11-01-1977	Gohde	
	20	US	4,092,166	05-30-1978	Olsen, et al.	
	21	US	4,209,696	06-1980	Fite	
	22	US-	4,356,722	11-02-1982	Bunce, et al.	
	23	US	4,366,118	12-28-1982	Bunce, et al.	
	24	US	4,369,664	01-25-1983	Bunce, et al.	
	25	US	4,403,234	09-06-1983	Miura, et al.	
	26	US	4,403,234	09-1983	Miura, et al.	
	27	US	4,437,103	03-1984	Ikeda	

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28	US	4,459,267	07-10-1984	Bunce, et al.	
29	US	4,480,259	10-30-1984	Kruger, et al.	
30	US	4,489,259	12-18-1984	White, et al.	
31	US	4,490,728	12-25-1984	Vaught, et al.	
32	US	4,590,482	05-20-1986	Hay, et al.	
33	US	4,593,728	06-10-1986	Whitehead, et al.	
34	US	4,683,042	07-28-1987	Scott	
35	US	4,708,782	11-24-1987	Andresen, et al.	
36	US	4,728,392	03-01-1988	Miura, et al.	
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38	US	4,733,823	03-1988	Waggner, et al.	
39	US	4,842,701	06-27-1989	Smith, et al.	
40	US	4,879,097	11-07-1989	Whitehead, et al.	
41	US	4,891,120	01-02-1990	Sethi, et al.	
42	US	4,908,112	03-13-1990	Pace	
43	US	4,983,038	01-08-1991	Ohki, et al.	
44	US	4,999,493	03-12-1991	Allen, et al.	
45	US	5,015,845	05-14-1991	Allen, et al.	
46	US	5,110,745	05-05-1992	Kricka, et al.	
47	US	5,126,022	06-30-1992	Soane, et al.	
48	US	5,132,012	07-21-1992	Miura, et al.	
49	US	5,162,650	11-10-1992	Bier	
50	US	5,180,480	01-19-1993	Manz	
51	US	5,182,366	01-26-1993	Huebner, et al.	
52	US	5,245,185	09-14-1993	Busch, et al.	
53	US	5,269,900	12-14-1993	Jorgenson, et al.	
54	US	5,283,036	02-01-1994	Hofmann, et al.	

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55	US	5,294,426	03-15-1994	Sekine, et al.	
56	US	5,296,114	03-22-1994	Manz	
57	US	5,296,375	03-22-1994	Kricka, et al.	
58	US	5,302,533	04-12-1994	Kricka	
59	US	5,304,487	04-19-1994	Wilding, et al.	
60	US	5,306,621	04-26-94	Kricka	
61	US	5,316,680	05-31-1994	Frechet, et al.	
62	US	5,328,578	07-12-1994	Gordon	
63	US	5,331,159	07-19-1994	Apffel, Jr., et al.	
64	US	5,332,481	07-26-1994	Guttman	
65	US	5,334,310	08-02-1994	Frechet, et al.	
66	US	5,338,427	08/16/1994	Shartle, et al.	
67	US	5,349,186	09-20-1994	Ikonomou, et al.	
68	US	5,374,834	12-20-1994	Geis, et al.	
69	US	5,376,252	12-27-1994	Ekstrom, et al.	
70	US	5,387,329	02-07-1995	Foos, et al.	
71	US	5,401,376	03-28-1995	Foos, et al.	
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73	US	5,415,841	05-16-1995	Dovich, et al.	
74	US	5,421,980	06-06-1995	Guttman	
75	US	5,423,964	06-13-1995	Smith, et al.	
76	US	5,427,946	06-27-1995	Kricka, et al.	
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78	US	5,431,807	07-11-1995	Frechet, et al.	
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80	US	5,453,185	09-26-1995	Frechet, et al.	
81	US	5,481,110	01-02-1996	Krishnaswamy, et al.	
82	US	5,486,335	01-23-1996	Wilding, et al.	
83	US	5,493,115	02-20-1996	Deinzer, et al.	
84	US	5,495,108	02-27-1996	Apffel, Jr., et al.	
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86	US	5,501,883	03-26-1996	Ishikawa, et al.	
87	US	5,501,893	03-26-1996	Laermer, et al.	
88	US	5,505,832	04-1996	Laukien, et al.	
89	US	5,512,131	04-30-1996	Kumar, et al.	
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91	US	5,523,566	06-04-1996	Fuerstenau, et al.	
92	US	5,536,939	07-16-1996	Freidhoff, et al.	
93	US	5,541,408	07-30-1996	Sittler	
94	US	5,563,639	10-08-1996	Cameron, et al.	
95	US	5,572,023	11-05-1996	Caprioli	
96	US	5,608,217	03-04-1997	Franzen, et al.	
97	US	5,640,010	06-17-1997	Twerenbold	
98	US	5,641,400	06-24-1997	Kaltenbach, et al.	
99	US	5,644,131	07-01-1997	Hansen	
100	US	5,647,979	07-15-1997	Liao, et al.	
101	US	5,652,427	07-29-1997	Whitehouse, et al.	
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104	US	5,747,815	05-05-1998	Young, et al.	
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107	US	5,789,746	08-04-1998	Kato, et al.	

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108	US	5,800,692	09-01-1998	Naylor, et al.	
109	US	5,804,022	09-08-1998	Kaltenbach, et al.	
110	US	5,856,082	01-05-1999	Aebersold, et al.	
111	US	5,872,010	02-16-1999	Karger, et al.	
112	US	5,876,957	03-02-1999	Douglas, et al.	
113	US	5,877,495	03-02-1999	Takada, et al.	
114	US	5,917,184	06-29-1999	Carson, et al.	
115	US	5,917,185	06-29-1999	Yeung, et al.	
116	US	5,969,351	10-19-1999	Nabeshima, et al.	
117	US	5,969,353	10-19-1999	Hsieth	
118	US	5,972,187	10-1999	Parce, et al.	
119	US	5,993,633	11-30-1999	Smith, et al.	
120	US	5,994,696	11-30-1999	Tai, et al.	
121	US	6,005,245	12-21-1999	Sakairi, et al.	
122	US	6,007,775	12-28-1999	Yager	
123	US	6,032,876	03-07-2000	Bertsche, et al.	
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126	US	6,068,749	05-2000	Karger, et al.	
127	US	6,110,343	08-29-2000	Ramsey, et al.	
128	US	6,114,693	09-05-2000	Hirabayashi, et al.	
129	US	6,171,875	01-2001	Silverbrook	
130	US	6,245,227	06-12-2001	Moon, et al.	
131	US	6,394,945 B2	05-28-2002	Moon, et al.	
132	US	6,417,510 B2	07-09-2002	Moon, et al.	
133	US	6,454,938 B2	09-24-2002	Moon, et al.	

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		Country Code <sup>2</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	134	DE 43 18 407	12-08-1994	Howitz, Steffen, Dr.		
	135	EP 0 964,428 A2	12-15-1999	Yin, Hungfeng		<input type="checkbox"/>
	136	EP 0 966,022 A2	12-22-1999	Bateman, Robert H.		<input type="checkbox"/>
	137	EP 259,796	01-03-1996	Andresen, Brian D.		
	138	EP 565,027	03-05-1997	Jarrell, Joseph A.		
	139	EP 588,952	09-01-1999	Whitehouse, Craig M.		
	140	EP 637,998	07-03-1996	Wilding, Peter		
	141	EP 639,223	07-03-1996	Kricka, Larry J.		
	142	EP 677,322	10-18-1995	Maruyama, Naosuke		
	143	EP 692,713	01-17-1996	Apffel, James A., Jr.		
	144	EP 860,858	08-26-1998	Waki, Hiroaki		
	145	GB 2 260 282	04-14-1993	Jauernig, Udo		
	146	GB 2,287,356	09-13-1995	Mann, Matthias		
	147	PCT/US00/34999	07-12-01	Schultz, Gary A.		
	148	PCT/US01/01785	07-26-01	Corso, Thomas N.		
	149	WO 00/52455	09-08-2000	Corso, Thomas N.		
	150	WO 01/50499	07-12-2001	Schultz, Gary A.		<input type="checkbox"/>
	151	WO 0153819	07-26-2001	Corso, Thomas N.		<input type="checkbox"/>
	152	WO 92/03720	03-05-1992	Maule, Colin		
	153	WO 93/22053	11-11-1993	Wilding, Peter		<input type="checkbox"/>
	154	WO 93/22055	11-11-1993	Wilding, Peter		<input type="checkbox"/>
	155	WO 96/04547	02-15-1996	Ramsey, J. Michael		

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156	WO 96/14933	05-23-1996	Kricka, Larry J.		
157	WO 96/14934	05-23-1996	Wilding, Peter		
158	WO 96/15269	05-23-1996	Wilding, Peter		
159	WO 97/04297	02-1997	Karger, Barry L.		

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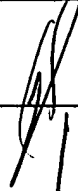
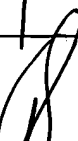
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Application Number	10/771,553
Filing Date	02/04/2004
First Named Inventor	James E. Moon
Art Unit	1724
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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Amish Desai; Yu-Chong Tai; Michael T. Davis; and, Terry D. Lee, "A MEMS Electrospray Nozzle for Mass Spectroscopy," 1997 International Conference in Solid-State Sensors and Actuators, Chicago, June 16-19, 1997, p. 927-930.
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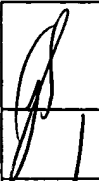

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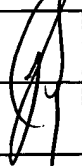
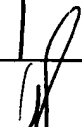
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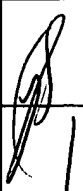

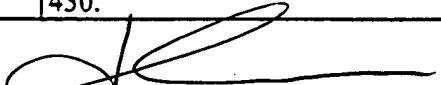

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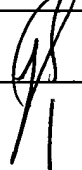

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Complete if Known

Application Number	10/771,553
Filing Date	02/04/2004
First Named Inventor	James E. Moon
Art Unit	1724
Examiner Name	
Attorney Docket Number	48900-01018

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